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	Application No.	Applicant(s)	•
	10/076,720	JOVANOVIC ET AL.	
Notice of Allowability	Examiner	Art Unit	
	John D. Lee	2874	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communicat GHTS. This application is subject	application. If not included to the control of the	d ourse. THIS
1. \boxtimes This communication is responsive to <u>the amendment filed</u> of	on March 18, 2004.		
2. The allowed claim(s) is/are <u>1-20</u> .			
3. \boxtimes The drawings filed on <u>18 March 2004</u> are accepted by the B	Examiner.		
 4.	been received. been received in Application No cuments have been received in the post this communication to file a repent of this application. Itted. Note the attached EXAMIN is reason(s) why the oath or decit be submitted.	nis national stage application ply complying with the requ ER'S AMENDMENT or NO aration is deficient.	uirements
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			ack) of
7. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F			ote the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summa		-152)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	Paper No./Mail 8), 7. ⊠ Examiner's Ame		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's State 9. Other	form D. July John D. July John D. Lee Primary Examiner Art Unit: 2874	ance

Application/Control Number: 10/076,720

Art Unit: 2874

EXAMINER'S AMENDMENT

An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Claim 10 has been rewritten as follows:

10.(Twice amended) A high-gain preamplifier based on optical parametric amplification using a seed beam having a transverse intensity profile and a diameter, comprising:

first nonlinear crystal means for amplification of a signal pulse by transfer of energy from a pump pulse [though] through difference-frequency generation;

second nonlinear crystal means for additional amplification of said signal pulse by transfer of energy from said pump pulse [though] through difference-frequency generation, operatively connected to said first nonlinear crystal;

first beam relay telescope means for relay imaging the pump transverse intensity profile, adjusting the pump beam diameter, and collimating the pump beam, operatively connected to said first nonlinear crystal means and said second nonlinear crystal means;

second beam relay telescope means for relay imaging the seed beam transverse intensity profile, adjusting the seed beam diameter, and collimating the seed beam, operatively connected to said first nonlinear crystal means, said second nonlinear crystal means, and said first beam relay telescope means;

Application/Control Number: 10/076,720

Art Unit: 2874

first harmonic beamsplitter means for nearly collinear coupling of the seed beam with the pump beam into the first nonlinear crystal, operatively connected to said first nonlinear crystal means, said second nonlinear crystal means, said first beam relay telescope means, and said [first] second beam relay telescope means; and

second harmonic beamsplitter means for separating the amplified signal and idler beams from the residual pump after amplification in the second nonlinear crystal; operatively connected to said first nonlinear crystal means, said second nonlinear crystal means, said first beam relay telescope means, said second beam relay telescope means, and said [second] first harmonic beamsplitter means.

Authorization for this Examiner's amendment was given in a telephone interview with the attorney Mr. Eddie E. Scott on April 8, 2004.

The above-identified changes to claim 10 correct a misspelling of the word "through" and correct the incorrect change from "second" to "first" made in the amendment of March 18, 2004. That change should have been made to the next-to-last line of claim 10, but was inadvertently made to line 20 thereof.

Claims 1-20 of this application remain allowable for the reasons stated in the previous Office action (mailed December 24, 2004).

Any inquiry concerning the merits of this communication should be directed to Examiner John D. Lee at telephone number (571) 272-2351. The Examiner's normal work schedule is Tuesday through Friday, 6:30 AM to 5:00 PM. Any inquiry of a general

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Application/Control Number: 10/076,720 Page 4

Art Unit: 2874

or clerical nature (i.e. a request for a missing form or paper, etc.) should be directed to the Technology Center 2800 receptionist at telephone number (571) 272-1562, to the technical support staff supervisor (Team 8) at telephone number (571) 272-1564, or to the Technology Center 2800 Customer Service Office at telephone number (571) 272-1626.

John D. Lee

Primary Patent Examiner
Group Art Unit 2874